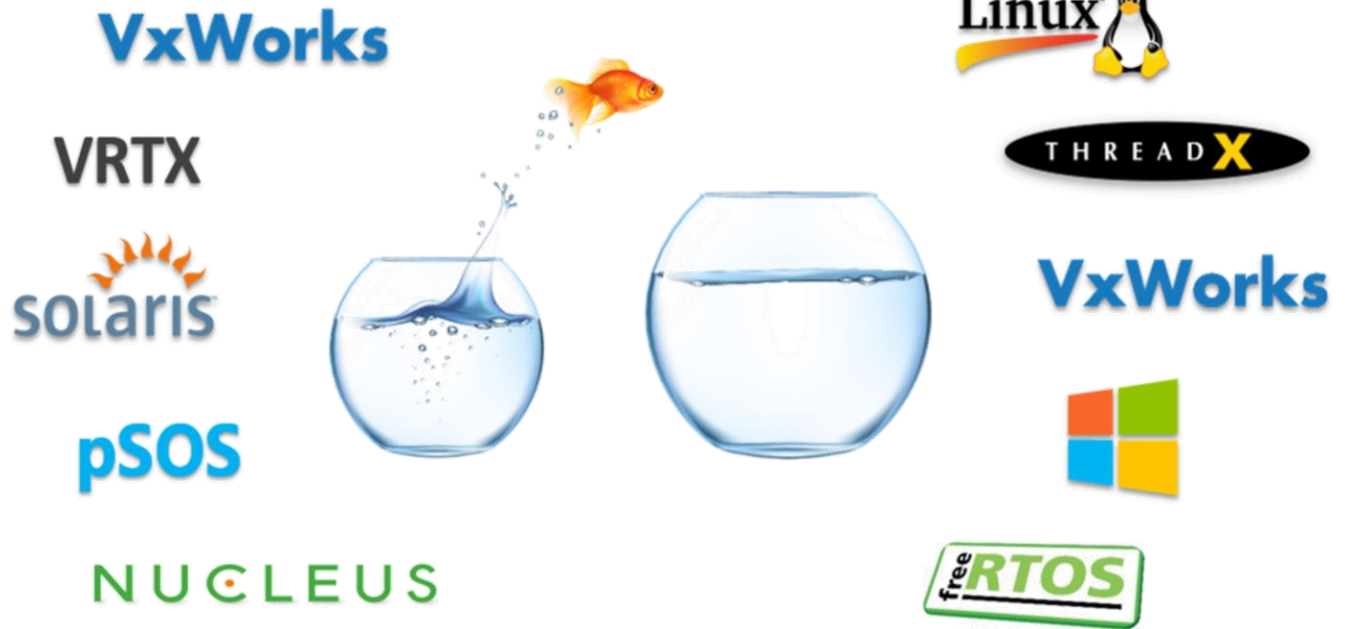


## Automated Porting from One OS to Another



### ✓ Key Benefits

- Automated migration of C/C++ software from 15 types of OS to 25 different ones. Please [click here](#) to check on your specific OS migration requirements
- OS Changer eliminates the risk of manual porting
- The entire C/C++ software remains unchanged
- Automated software porting saves time and money
- We support wide varieties of target hardware and tools
- Automated software porting is repeatable and scalable

### 👥 Major OS Changer Customers

**TOSHIBA**



**LOCKHEED MARTIN**



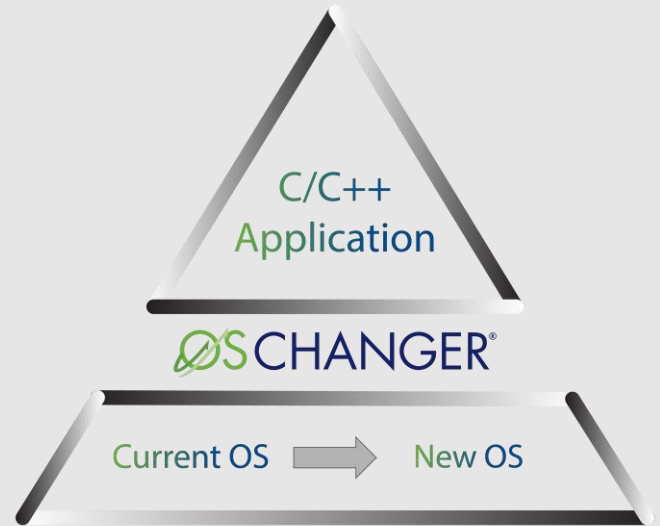
**BOEING**

**FUJI XEROX**



## How Does It Works?

OS Changer is a C/C++ source-level virtualization technology that allows you to easily re-use your existing software on another operating system and hardware platform while providing real-time performance. MapuSoft's OS Changer Porting Kit was first developed 18 years ago and since then has grown to over 300 porting kits supporting 25 unique embedded operating systems.



### Manual Porting



- **Time Consuming** - Takes months or even years with no guarantee of success.
- **Heavily Error Prone** - People generally makes irreparable errors on complex projects and fail to meet deadlines.
- **Costly** - Manual porting requires substantial engineering hours, taking resources away from product development.
- **Not Repeatable** – The manual process can't be repeated in the future for another software migration because it needs to start over again with increased complexity.

### Automated Porting

- **Quick** - Usually takes less than a month for complex and large software migrations.
- **Trusted and Proven** - Since its an automated process, it eliminates the risk associated with manual porting.
- **Economic** - Automated software porting costs less than manual porting and is a much simpler process.
- **Easily Repeatable** – With our proven porting kit technology, the same software can be migrated to over 25 different OS's with increased performance and stability.

# Common Myths About Our Technology

## OS Changer is Not a Wrapper

OS Changer is not implemented based on a wrapper mechanism. Wrapper mechanisms impact performance and further locks the applications to a specific OS's behavior introducing runtime portability issues. Instead, OS Changer co-exists with the underlying target OS offering key OS features like memory, thread, and object management so that you have better performance and portability across multiple OS's and their versions. RTOS API behavior and missing OS features can be added to the target OS, improving its behavior and capability.

## Prevents Vendor/Platform Lock-ins

Manually re-writing code locks you into the new OS and forces you to maintain two code-bases. MapuSoft's solution is OS agnostic (your code can run on over 25 OS's) and hence greatly reduces maintenance cost and your dependency on the underlying platform, which will become obsolete over time.

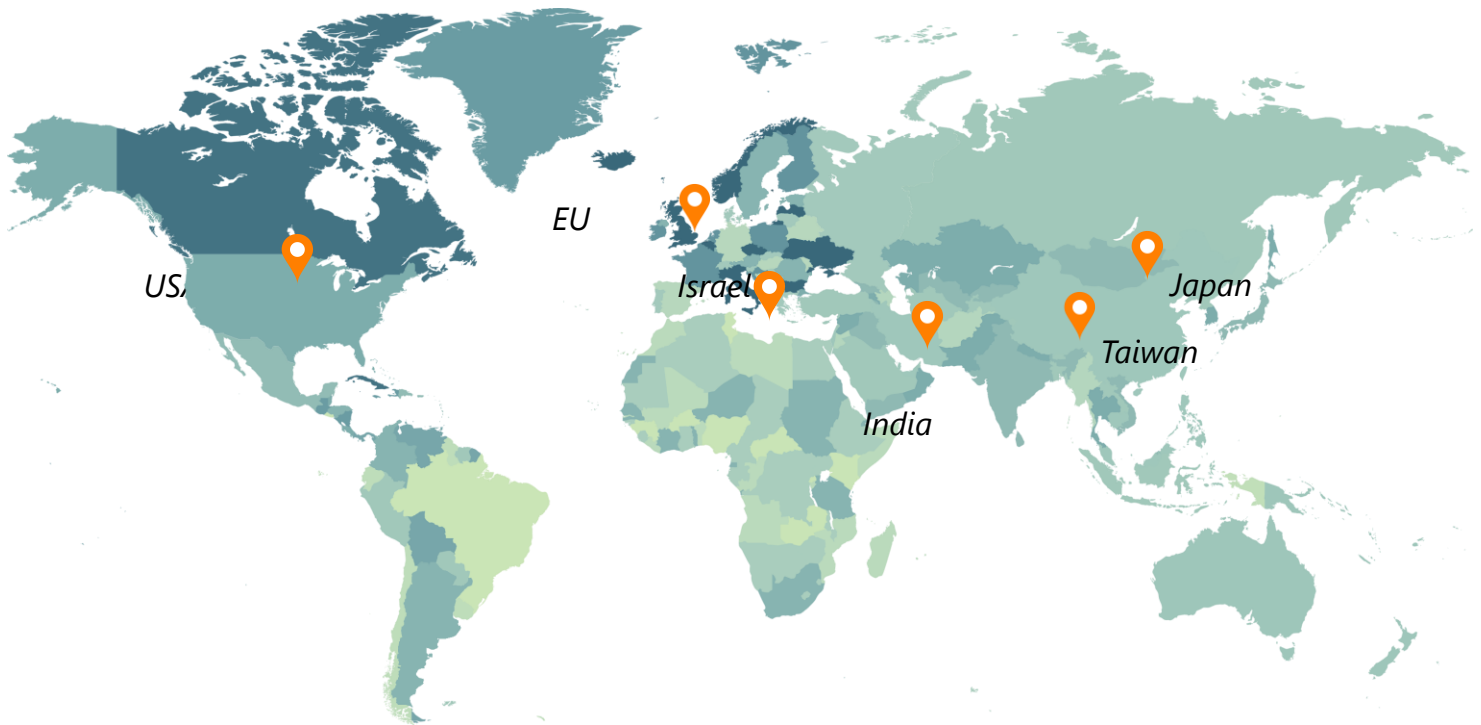
## Prevents MapuSoft Lock-ins

MapuSoft makes OS Changer performance features available without forcing you to use MapuSoft's API, for example, a Linux application can get recompiled to gain features like real-time extension, automated soft recovery, reusable threads, reusable objects, and powerful IPC. IPC resources become sharable, eliminating data copy across processes, memory defragmentation, etc. MapuSoft allows OS Changer to be utilized as a standalone package, and this way, your project is not locked to our development environment (AppCOE).

## Interested in a Product Demonstration?

We offer online and on-site product demonstrations using a sample of your code that you would like to migrate to a new OS. Our product pricing is highly economical and we also offer onsite training to engineers and product development teams.

## We are available to provide solutions in your area!



For a free trial, please click link below

[Download OS Changer](#)



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